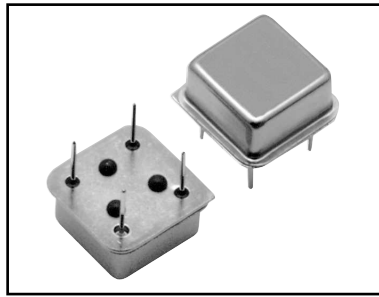


FMOC18 SERIES

5.0 Vdc Clock Oscillators

8 PIN DIP



- 5.0 Vdc Supply Voltage
- HCMOS/TTL Compatible
- Small Footprint
- Hermetically Sealed

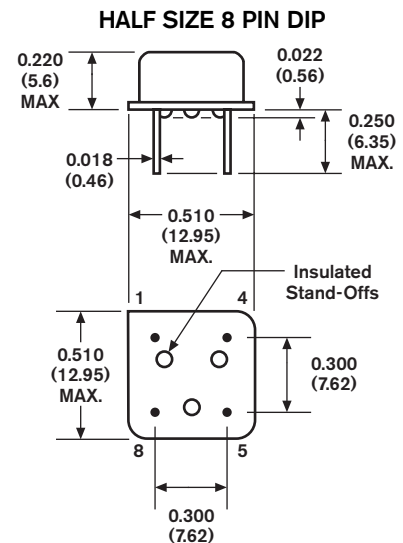
SPECIFICATIONS

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Parameter	Specification
Frequency Range	500.0 kHz to 160.0 MHz
Overall Frequency Tolerance	±20 ppm to ±100 ppm (Inclusive of Operating Temp., Supply Voltage, & Load)
Operating Temperature Range	0 to +70°C Std. (See Temp. Range Options)
Storage Temperature	-55 to +125°C
Supply Voltage (Vdd)	+5.0 Vdc (±0.5 Vdc)
Supply Current (Icc)	20 mA max. @ 500.0 kHz to 23.9 MHz 40 mA max. @ 24.0 to 49.9 MHz 50 mA max. @ 50.0 to 85.0 MHz 90 mA max. @ 86.0 to 160.0 MHz
Symmetry (Duty Cycle)	40/60% Std., 45/55% Avail. (See Spec. Option S)
Output "0" Level (VOL)	0.4 Vdc max. (TTL) 0.5 Vdc max. (HCMOS)
Output "1" Level (VOH)	2.4 Vdc min. (TTL) 4.5 Vdc min. (HCMOS)
Rise and Fall Time	10 ns max. < 5 ns typical
Jitter	Absolute: ±100 pSec Max One Sigma: ±25 pSec Max
Start Time	10 ms max. < 5 ms typical
Output Load	10 TTL / 50 pF HCMOS (up to 24.0 MHz) 10 TTL / 15 pF HCMOS
Pin 1 Options (See Spec. Option T below)	No Connect (Std.) Tri-State (option T) VIH: 2.2 V or Open Enables Output VIL: 0.8 V Disables Output
Output Disable/Enable Time:	100 nS max.
Aging @ 25°C	±5ppm max first year

All specifications subject to change without notice.



PIN FUNCTION TABLE

Pin	Function
1	NC or Tri-State
4	Case Ground
5	Output
8	Supply Voltage (Vdd)

STANDARD MARKING

XXX.XXXM
XXXXXXX
• FMI YYWW

XXX.XXXM FREQUENCY in MHz
XXXXXXX Part Number
Pin 1 Symbol, FMI, Date Code

Standard Specifications for product indicated in color

Dimensions: $\frac{\text{Inches}}{(\text{mm})}$

PART DESCRIPTION SYSTEM

FMOC18 00 A S/T - XX.XXXXXXM - CM

Product Family	Overall Frequency Tol.	Temp. Range	Frequency (MHz)	Options
HCMOS/TTL Compatible 5.0 Vdc Clock Osc. Half Size 8 Pin DIP	20 ± 20 ppm 25 ± 25 ppm 50 ± 50 ppm 00 ± 100 ppm nn ± Custom Value	A 0 to 70 °C B -20 to 70 °C C -40 to 85 °C D -10 to 50 °C E -10 to 60 °C F -30 to 60 °C J 0 to 50 °C X Custom	Specification Options S - Tight Symmetry (45/55%) Duty Cycle T - Tri-State BLANK - None Required (Std.)	GW - Gull Wing JL - J-Lead PD - Parameter Data CM - Custom Mark BLANK - None Req'd.